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Dated: 10/30/06 Signature: (Valerie J. Sarosky)

Docket No.: LYMF-P04-007 (PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Roifman et al.

Application No.: 10/593,851 Confirmation No.: Not Yet Assigned

Filed: September 22, 2006 Art Unit: Not Yet Assigned

For: NOVEL COMPOUNDS FOR MODULATING CELL PROLIFERATION Examiner: Not Yet Assigned

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT (SIDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Supplemental Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as known to the undersigned (37 CFR 1.97(b)(3)).

A summary/abstract translation of non-English language references BO-BY, BA1-BB1, CU, CK1, CV1 and CG3 are enclosed.

Copies of (5) International Search Reports, four (4) International Preliminary Examination Reports and a European Office Action are enclosed.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /YV/

Application No.: 10/593,851 Docket No.: LYMF-P04-007

In accordance with 37 CFR 1.98(a)(2)(ii), Applicants have not submitted copies of U.S. patents and U.S. patent applications. Applicants submit herewith copies of foreign patents documents and non-patent literature documents in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Supplemental Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Supplemental Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Supplemental Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. LYMF-P04-007.

Dated: October 30, 2006

Respectfully submitted,

By _____

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Application No. (if known): 10/593,851 Attorney Docket No.: LYMF-P04-007

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Form PTO/SB/08a/b (146 References) (7 pages)
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Copies of International Search Reports (5)
Copies of International Preliminary Examination Reports (4)
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 7

	Complete if Known
Application Number	10/593,851
Filing Date	September 22, 2006
First Named Inventor	Chaim M. Roifman
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	LYMF-P04-007

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-2,798,881	07-09-1957	Baer et al.	
	AB	US-3,047,606	07/1962	Wadsworth	
	AC	US-3,125,597	03-17-1964	Wahl et al.	
	AD	US-3,718,472	02-27-1973	OLIVER ET AL.	
	AE	US-3,852,683	12-03-1974	Webster et al.	
	AF	US-4,263,394	04-21-1981	Gates et al.	
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	AO	US-5,578,416	11-26-1996	Tutt	
	AP	US-5,656,655	08-12-1997	Spada et al.	
	AQ	US-5,677,329	10-14-1997	Spada et al.	
	AR	US-5,700,822	12-23-1997	Hirth et al.	
	AS	US-5,700,823	12-23-1997	Hirth et al.	
	AT	US-5,712,395	01-27-1998	App et al.	
	AU	US-5,763,441	06-09-1998	App et al.	
	AV	US-5,773,476	06-30-1998	Chen et al.	
	AW	US-5,789,427	08-04-1998	Chen et al.	
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	AY	US-5,849,742	12-15-1998	App et al.	
	AZ	US-5,851,999	12-22-1998	Ullrich et al.	
	AA1	US-5,891,917	04-06-1999	Tang et al.	
	AB1	US-5,932,580	08-03-1999	Levitzki et al.	
	AC1	US-5,935,993	08-10-1999	Tang et al.	
	AD1	US-5,990,193	11-23-1999	Russell et al.	

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Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number*-Kind Code[4] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[5]
	BE	EP 0 731 697	09-18-1996			
	BF	EP 0 614 661	09-14-1994			
	BG	EP 0 570 594	11-24-1993			
	BH	EP 0 235 198	09-09-1987			
	BI	EP 0 125 866	11-21-1984			
	BJ	WO-96/40629	12-19-1996			
	BK	WO-95/26341	10-05-1995			
	BL	WO-95/24190	09-14-1995			
	BM	WO-95/14464	06-01-1995			
	BN	WO-94/10157	05-11-1999			

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Sheet 2 of 7

Complete if Known	
Application Number	10/593,851
Filing Date	September 22, 2006
First Named Inventor	Chaim M. Roifman
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	LYMF-P04-007

	BO	JP-9-230585	09-05-1997				
	BP	JP-60-244595	12-04-1985				
	BQ	JP-6-95186	04-08-1994				
	BR	JP-6-186599	07-08-1994				
	BS	JP-5-173206	07-13-1993				
	BT	JP-4-96026	03-27-1992				
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	BV	JP-4-214387	08-05-1992				
	BW	JP-4-198924	07-20-1992				
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	BY	JP-3-230127	10-14-1991				
	BZ	JP-2001066605	03-16-2001				
	BA1	JP-2-254425	10-15-1990				
	BB1	JP-2-193954	07-31-1990				
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	BE1	WO-03/030895-A1	04-17-2003	The Hospital for Sick Children			
	BF1	WO-01/79158-A2	10-25-2001	HSC Research and Development Limited Partnership			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. * CITE NO.: Those application(s) which are marked with an single asterisk (*) next to the Cite No. are not supplied (under 37 CFR 1.98(a)(2)(ii)) because that application was filed after June 30, 2003 or is available in the IFW. [1] Applicant's unique citation designation number (optional). [2] See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. [6] Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.[1]	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T[2]
	CA	Abdel-Rahman (1991). "Inverse electron demand Diels-Alder reactions of electron-withdrawing-group-substituted 1,3-butadiene derivatives with enamines. Synthesis of cyclohexene derivatives," M.A. Sohag Pure Appl. Sci. Bull. 7:30-40, ACS abstract AN 118:212527 CA only.	
	CB	Adachi, T. et al. (1999). "A Novel Lyn-Binding Peptide Inhibitor Blocks Eosinophil Differentiation, Survival, and Airway Eosinophilic Inflammation," Journal of Immunology 163:939-946.	
	CC	Astle, M.J. and Gergel, W.C. "Catalysis with ion exchange resins. Knoevenagel condensations of cyanoacetic acid," Chemical Abstracts 51:2641g. year: 1957	
	CD	Balalaie, S. and Nemati, N. (2000). "Ammonium acetate-basic alumina catalyzed Knoevenagel condensation under microwave irradiation under solvent-free condition," Synthetic Communications 30(5):869-875.	
	CE	Bandgar, B.P. et al. (1997). "Condensation of alpha-cyanothioacetamide with aldehydes catalyzed by Envirocat EPZG," Synthetic Communications 27(7):1153-1156.	
	CF	Banerjee PK and Amidon GL. (1985). "Design of prodrugs based on enzymes-substrate specificity," In Design of Prodrugs, Bundgaard H, ed. Elsevier: New York, pp. 93-133.	
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Examiner Signature		Date Considered	

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Sheet 3 of 7

	Complete if Known
Application Number	10/593,851
Filing Date	September 22, 2006
First Named Inventor	Chaim M. Roifman
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	LYMF-P04-007

	CH	Chen, J.J. and Wang I.J. (1995). "Synthesis and Fluorescence Behaviour of Some 3-Cyano-4-Substituted-6-Pyrenyl-2-Pyridone Derivatives," Dyes and Pigments. 27(3):249-259.
	CI	Choudary, B.M. et al. (1999). "Knoevenagel and aldol condensations catalysed by a new diamino-functionalized mesoporous material," Journal of Molecular Catalysis A: Chemical 142(3):361-365.
	CJ	Conqueret, Xavier (1999). "Photoreactivity of polymers with dimerizable side-groups: Kinetic analysis for probing morphology and molecular organization," Macromolecular Chemistry and Physics 200:1567-1579.
	CK	Costisella, B., Gross, H. (1984). "alpha-Substituted phosphonates. 46. 1-Cyanodiene-1-amines and 1-cyanotriene-1-amines via the Horner reaction," Z. Chem. 24(10):383-384 (in German) and ACS Abstract AN 103:6414 CA.
	CL	Dai, C. et al. (1982). "Structural effect in forked conjugative systems, Bifurcation-type of forked polyenic nitriles, carboxylic acids and esters," Scientia Sinica. Series B, Chemical, biological, agricultural, medical & earth sciences / Chung-kuo k'o hsueh yuan, chu pan. (Engl. ed.) 25(10):1023-1034.
	CM	Database Crossfire Beilstein 'Online! Beilstein Institut Zur Foederung Der Chemischen Wissenschaften, Frankfurt Am Main, DE; Database Accession no. 1954179 (BRN), XP002179056 entered 1989
	CN	Database Crossfire Beilstein 'Online! Beilstein Institut Zur Foederung Der Chemischen Wissenschaften, Frankfurt Am Main, DE; Database Accession no. 1959697 (BRN), XP002179057 entered 1989
	CO	Database Crossfire Beilstein 'Online! Beilstein Institut Zur Foederung Der Chemischen Wissenschaften, Frankfurt Am Main, DE; Database Accession no. 1983526 (BRN), XP002179052 entered 1989
	CP	Database Crossfire Beilstein 'Online! Beilstein Institut Zur Foederung Der Chemischen Wissenschaften, Frankfurt Am Main, DE; Database Accession no. 2329569 (BRN), XP002179053 entered 1989
	CQ	Database Crossfire Beilstein 'Online! Beilstein Institut Zur Foederung Der Chemischen Wissenschaften, Frankfurt Am Main, DE; Database Accession no. 2331300 (BRN), XP002179051 entered 1989
	CR	Database Crossfire Beilstein 'Online! Beilstein Institut Zur Foederung Der Chemischen Wissenschaften, Frankfurt Am Main, DE; Database Accession no. 5905971 (BRN), XP002179055 entered 1993
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	CT	DeLombaert, S. and Ghosez, L. (1984). "Synthesis and phase-transfer mediated alkylations of 2-Diethylamino-4-Phenylsulfonyl-2-butenenitrile an efficient homoenolate equivalent," Tetrahedron Letters 25:3475-3478.
	CU	DeSa, A.J., S.L. and Pitta, I. DaR (1979). "Synthesis and spectroscopic study of ethyl 2-cyano-5-phenyl-2,4-pentadienoate and two of its derivatives," An. Assoc. Bras Quim. 30:113-116 (in Portuguese with English abstract) and ACS Abstract AN 96:34120.
	CV	Enk, A.H. and Knop. J. (2000). "T-Cell Receptor Mimic Peptides And Their Potential Application In T-Cell Mediated Disease" Int Arch Allergy Immunol 123:275-281.
	CW	Eugster, C.H. et al. "New type condensation reactions with isoxazoles-an extension of the Ritter reaction." Chemical Abstracts 59:585b. Year: 1963
	CX	Fauser A.A. and Messner H.A. (1978). "Granuloerythropoietic Colonies In Human Bone Marrow, Peripheral Blood, And Cord Blood," Blood, 52(6), 1243-1248.
	CY	Foucaud, A. and Bakouetila, M. (1987). "Facile Epoxidation of Alumina-Supported Electrophilic Alkenes and Montmorillonite-Supported Electrophilic Alkenes with Sodium Hypochlorite," Synthesis 9:854-856.

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			Complete if Known
		Application Number	10/593,851
		Filing Date	September 22, 2006
		First Named Inventor	Chaim M. Roifman
		Art Unit	Not Yet Assigned
		Examiner Name	Not Yet Assigned
Sheet	4 of 7	Attorney Docket Number	LYMF-P04-007

	CZ	Freedman, M.H. et al. (1992). "Central Role Of Tumour Necrosis Factor, GM-CSF, and Interleukin 1 In The Pathogenesis Of Juvenile Chronic Myelogenous Leukaemia," Br J Haematol. 80(1):40-48.	
	CA1	Freeman, F. (1980). "Properties and Reactions of Ylidenemalononitriles," Chem. Rev. 80:329-350.	
	CB1	Frohardt, R. P. et al. "Chemistry of streptimidone. A new antibiotic," Chemical Abstracts 54:3192h. Year: 1960	
	CC1	Gazit, A. et al. (1991). "Tyrphostins. 2. Heterocyclic And Alpha-Substituted Benzylidenemalononitrile Tyrphostins As Potent Inhibitors Of EGF Receptor and ErbB2/neu Tyrosine Kinases," J. Med. Chem. 34:1896-1907.	
	CD1	Grinsteins, V. and Serina, L. (1963). "Cyanothioacetamide and its derivatives," Chemical Abstracts 60: 5391h.	
	CE1	Halestrap, A.P. (1975). "The Mitochondrial Pyruvate Carrier. Kinetics and specificity for substrates and inhibitors," Biochemical Journal 148(1):85-96.	
	CF1	Halestrap, A.P. (1976). "The Mechanism of the Inhibition of the Mitochondrial Pyruvate Transporter by alpha-Cyanocinnamate Derivatives," Biochemical Journal 156(1):181-183.	
	CG1	Hassan, H.H. et al. (1986). "Some reactions of 2-Cinnamylidene and 2-Benzylidene-1,3-Indandione," Pak. J. Sci. Ind. Res. 29:105-107.	
	CH1	Ho, Y.W. and Wang, I.J.J. (1995). "Studies on the Synthesis of Some Styryl-3-cyano-2(1H)-pyridine-thiones and Polyfunctionally Substituted 3-Aminothieno[2,3-b]-pyridine Derivatives," Journal of Heterocyclic Chemistry 32(3):819-825.	
	CI1	Hu, Weixiao et al. (1985). "Differential pulse polaragraphy on bifurcate conjugate systems. I. Homologous progressive change of the peak potential," Fenzi Kexue Yu Huaxue Yanjiu 5(1)87-92, ACS Abstract AN 104:5348 CA only.	
	CJ1	Ichimura, K. et al. (1987). "Photosensitive Resins Containing p-Dimethylaminobenzylidene Derivatives and Diphenyliodonium Salt as Photoinitiators," Journal of Applied Polymer Science 34(8):2747-2756.	
	CK1	Iizawa, T. et al. (1983). "Studies of photopolymer. XX. Synthesis of photosensitive polymers with pendant photosensitive groups and photosensitizer groups," Kobunshi Ronbunshu 40:425-432 QD 281 P6 K752 (in Japanese with English abstract) and ACS Abstract AN 99:123029 CA.	
	CL1	Jukhnovskii, I. and Binev, I. (1977). "Infrared Spectra and Structure of Carbanions - XIV. Isomeric Carbanionic adducts of some substituted cyano-polyenes," Bulletin des Societes Chimiques Belges 86(10):793-798.	
	CM1	Kantam, M.L. et al. (1998). "Aldol and Knoevenagel condensations catalysed by modified Mg-Al hydrotalcite: a solid base as catalyst useful in synthetic organic chemistry," Chemical Communications (Cambridge England) 9:1033-1034.	
	CN1	Kasyapa, C. S. et al. (1999). "Regulation of IL-15-Simulated TNF-alpha Production by Rolipram," Journal of Immunology 163:2836-2843.	
	CO1	Konwar, D. et al. (1998). "Organic Synthesis with Anion-exchange Resins: Reaction of Imines with Active Methylene Compounds," Journal of Chemical Research Synopsis 6:342-343.	
	CP1	Krishan, K. and Singh, N. (1974). "Reactions of Open-Chain Conjugated Nitrones with Active Methylene Compounds," J. Indian Chem. Soc. 51(9): 802-804.	
	CQ1	Kryshtal, G.V. et al. (1980). "New possibilities for the synthesis of polyfunctional cyclopropanes under interphase catalysis conditions in a liquid-solid phase system," Izvestiia Akademii nauk SSSR Seriia khimicheskaia 10:2420-2423 (in Russian) and ACS Abstract AN 94:46812 CA.	
	CR1	Kryshtal, G.V. et al. (1979). "Phase-Transfer Catalysis of the Michael Addition to alpha,beta-Unsaturated Aldehydes," Synthesis 2:107-109.	

Examiner Signature		Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 5 of 7

	Complete if Known
Application Number	10/593,851
Filing Date	September 22, 2006
First Named Inventor	Chaim M. Roifman
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	LYMF-P04-007

	CS1	Kurkovskaja, L.N. et al. (1995), "H and 13C NMR Spectrum-Structure correlations for a series of polyene compounds," Zhurnal Strukturnoi Khimii, English, Journal of Structural Chemistry 36(4):638-642.
	CT1	Lechat, J.R. et al. (1981). "Ethyl 2-Cyano-5-phenyl-(2E,4E)-pentadienoate," Acta Crystallographica Section B: Structural Science B37(7):1470-1471.
	CU1	Li, J-T et al. (1999). "Synthesis of ethyl alpha-cyanocinnamates under ultrasound irradiation," Ultrasonics Sonochemistry 6(4):199-201.
	CV1	Liang, D. et al. (1981). "Structural effect in cross conjugative systems. IV. Properties of alpha-carboxyphenylpolyenic cyanides and the quantum chemical," Fenzi Kexue Xuebao 1:17-30 (in Chinese with English abstract) and ACS Abstract AN 96:180289 CA.
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	CX1	Martelli, J. and Carrie, R. (1977). "Reaction of cinnamylidenemalonic esters or cinnamylidene cyanoacetic esters and the corresponding malononitriles with diazomethane; thermolysis of the corresponding pyrazolines," Bulletin de la Societe Chimique de France 11-12, Pt. 2:1182-1186 (in French) and ACS Abstract AN 89:43222 CA.
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	CA2	Matsuoka, M. et al. (1990). "Cyanovinylheteroaromatics for Organic Nonlinear Optics," Molecular Crystals and Liquid Crystals Science and Technology Section A 182A:71-79.
	CB2	Messner H. A. and Fauser, A. A. (1980). "Culture Studies Of Human Pluripotent Hemopoietic Progenitors," Blut, 41(5): 327-333.
	CC2	Minami, T. et al. (1983). "Synthesis of Butadienylphosphonates containing electronegative substituents and their synthetic applications to functionalized cyclopentenylphosphonates," Tetrahedron Lett. 24(8):767-770.
	CD2	Minami, T. et al. (1985). "Cycloaddition of Diazomethane to Butadienylphosphonates. A New Approach of Functionalized Pentadienylphosphonates and Pyrazoles," Chem. Lett. 1985 8:1099-1102.
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Examiner Signature		Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 6 of 7

Complete if Known	
Application Number	10/593,851
Filing Date	September 22, 2006
First Named Inventor	Chaim M. Roifman
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	LYMF-P04-007

	CK2	Prajapati D. and Sandhu, J.S. (1992). "Bismuth(III)chloride as a New Catalyst for Knoevenagel Condensation in the Absence of Solvent" Chemistry Letters. 10:1945-1946.
	CL2	Prajapati, D. and Sandhu, J.S. (1993). "Lithium bromide as a new catalyst for carbon-carbon bond formation in the solid state" J. Chem. Soc., Perkin Transactions 1:959-960.
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Examiner Signature		Date Considered	

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Sheet 7 of 7

Complete If Known	
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Filing Date	September 22, 2006
First Named Inventor	Chaim M. Roifman
Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned
Attorney Docket Number	LYMF-P04-007

	CH3	Yasuda, Heinosuke; Sakao, Toshihisa; Yamadi Yoichi (1995). "The Knoevenagel condensation between aromatic aldehydes and ethyl cyanoacetate catalyzed by KF-betaine catalyst" Utsunomiya Daigaku Kyoikugakubu Kiyo, Dai-2-bu 45:33-41 (in Japanese with English Abstract) and ACS Abstract AN 124: 29360CA.	
	CI3	Zhong et al., "Catalytic synthesis of alpha-cyano, beta-unsaturated sulfones in the presence of organotellurium oxide," Chinese Chemical Letters 2(9):683-684 (1991)	
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